

#21

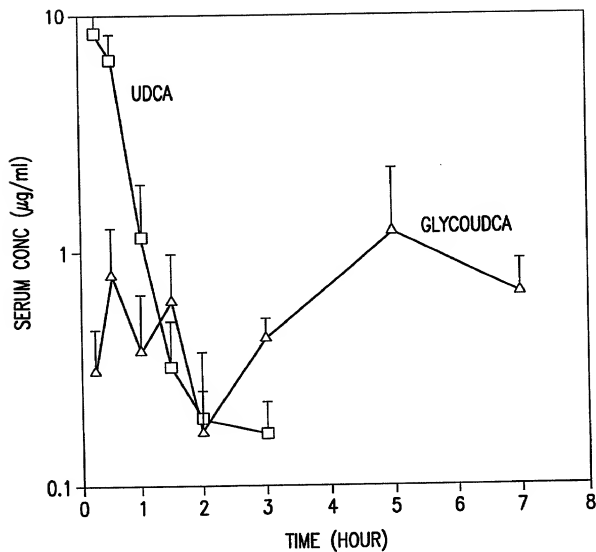


FIG.1

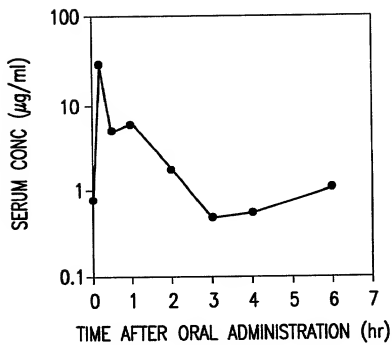
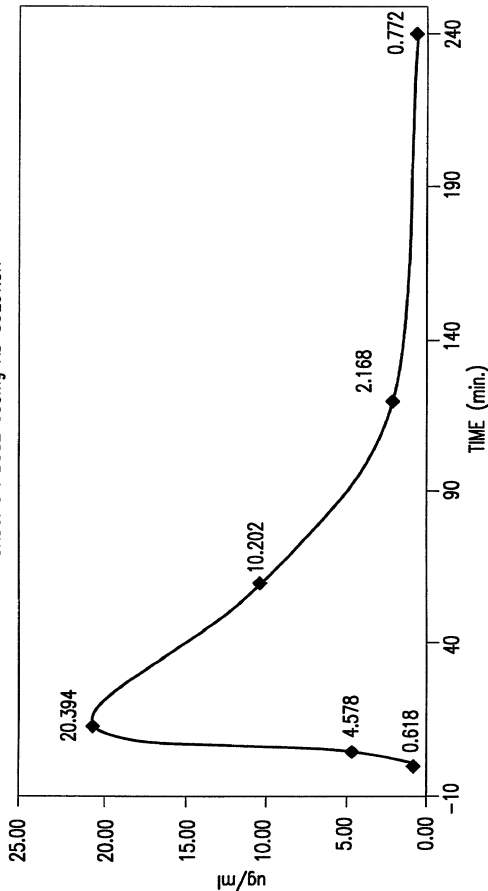


FIG.2

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PHARMACOKINETIC PARAMETERS OF UDCA IN HUMAN
 AFTER AN ORAL ADMINISTRATION OF LIQUID FORMULATION OF UDCA
 DIAGRAM OF THE MEAN (n=5) FOR GROUP I
 GROUP I : DOSE 600mg AS SOLUTION

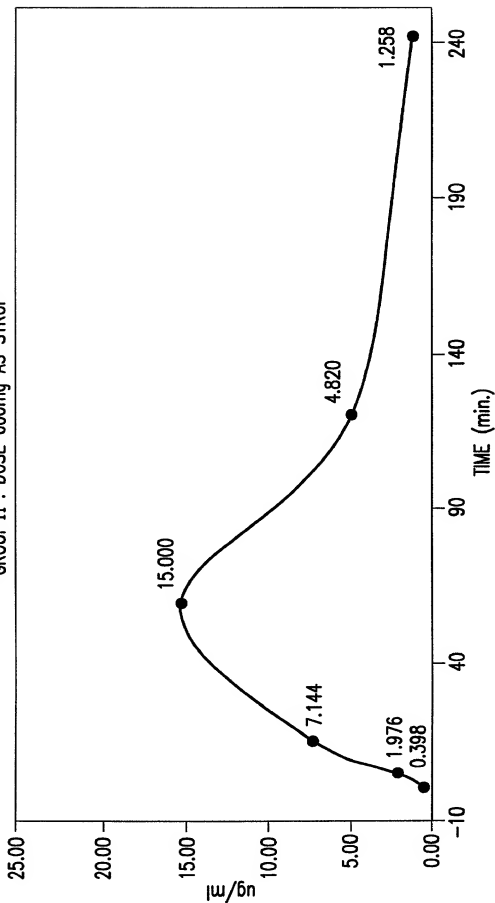


* EACH BILE ACID WAS DETECTED WITH STANDARD PROCEDURE BY LC-1500 SERIES HPLC
 SYSTEM OF JASCO EQUIPPED WITH 3 α -HSD(3 α -HYDROXYSTEROIDE DEHYDROGENASE) COLUMN

FIG.3

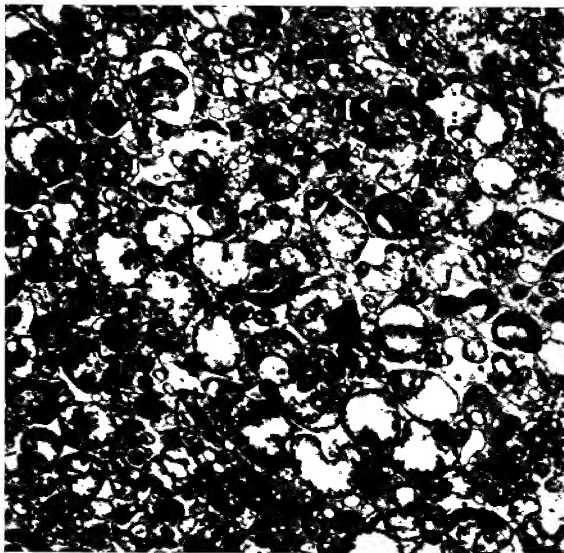
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PHARMACOKINETIC PARAMETERS OF UDCA IN HUMAN
 AFTER AN ORAL ADMINISTRATION OF LIQUID FORMULATION OF UDCA
 DIAGRAM OF THE MEAN (n=5) FOR GROUP II
 GROUP II : DOSE 600mg AS SYRUP



* EACH BILE ACID WAS DETECTED WITH STANDARD PROCEDURE BY LC-1500 SERIES HPLC
 SYSTEM OF JASCO EQUIPED WITH 3 α -HSD(3 α -HYDROXYSTEROIDE DEHYDROGENASE) COLUMN

FIG.4



H. pylori cultured from Columbia medium pictured by
Transmission Electron Microscope

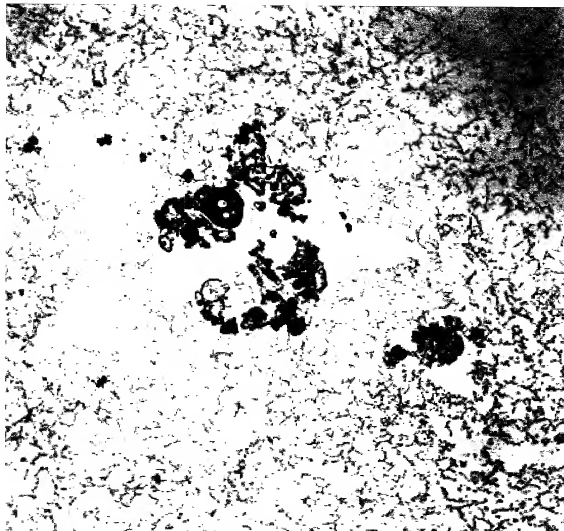
FIG.5A

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48hrs, after *H. pylori* treated with UDCA & bismuth citrate
pictured by Transmission Electron Microscope

FIG.5B



72hrs, after *H. pylori* treated with UDCA & bismuth citrate
pictured by Transmission Electron Microscope

FIG.5C

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NMR DATA FOR UDCA IN THE LIQUID FORMULATION DOSAGE FORM:
 THIS DATA SHOWS THAT THIS UDCA IS ABSOLUTELY FREE UDCA

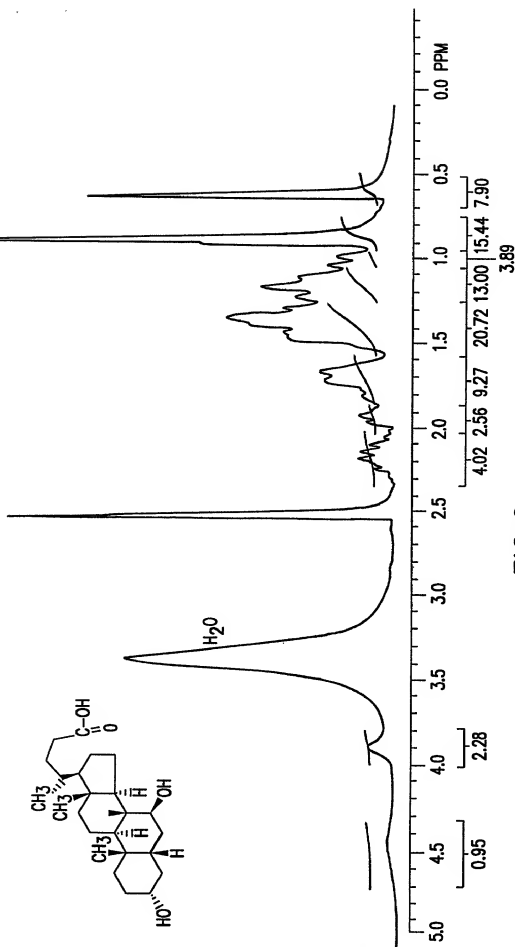


FIG.6

HPLC FOR UDCA IN THE LIQUID FORMULATION DOSAGE FORM

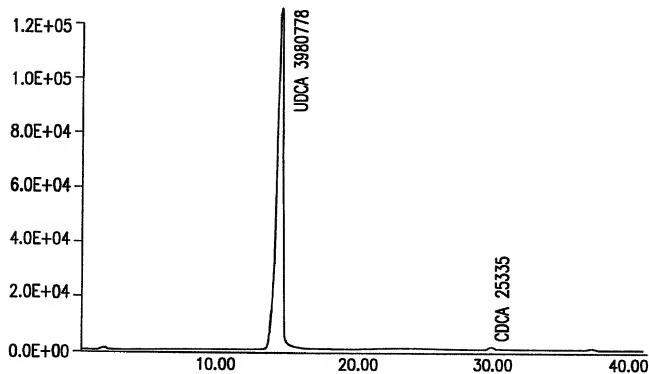


FIG.7

HPLC FOR STANDARD UDCA

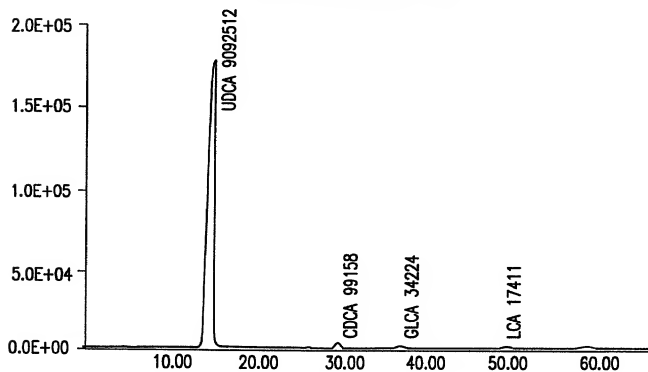
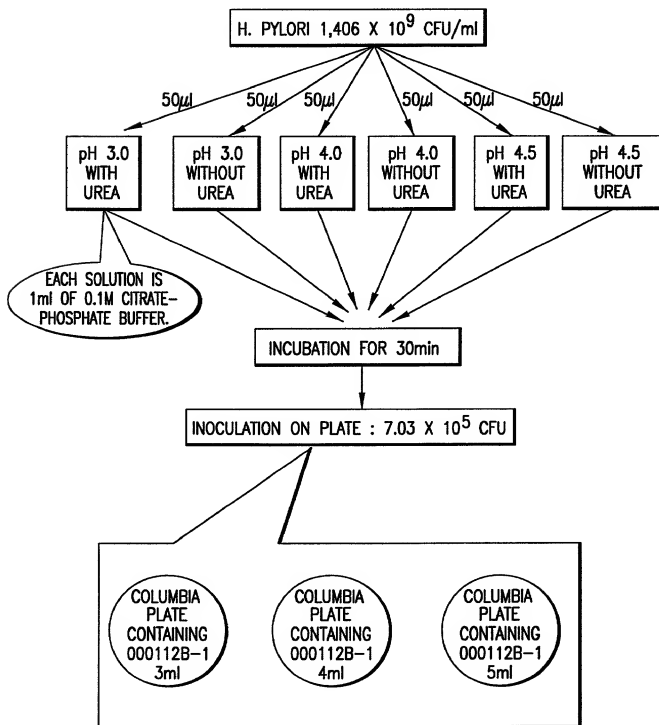


FIG.8

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ABSTRACT DIAGRAM FOR THE CULTURE METHOD

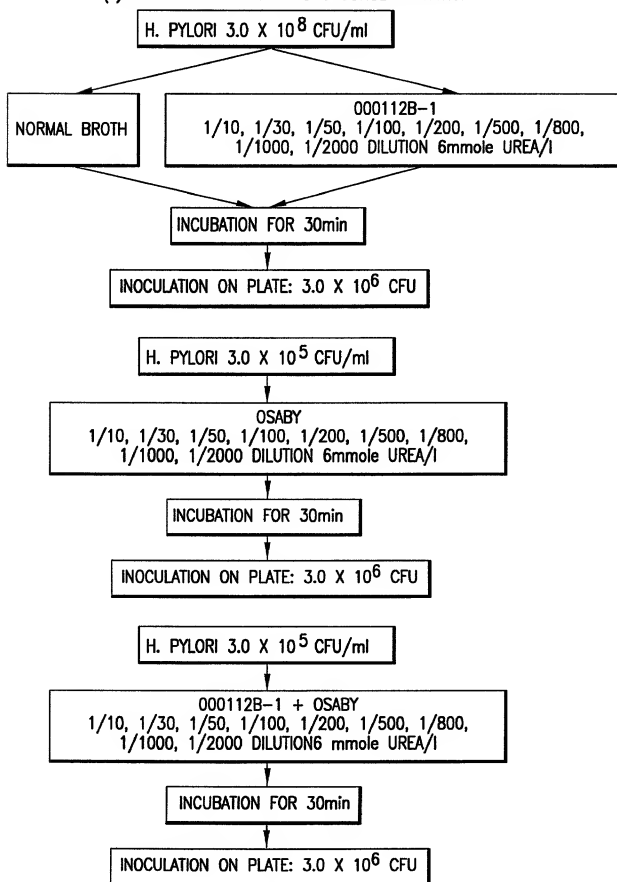
(i) METHOD WITH THE VARIOUS pH VALUES.



PLATES WERE INCUBATED MICROAEROPHILICALLY AT 37°C FOR 72 HOURS.

FIG.9

(ii) METHOD WITH THE VARIOUS CONCENTRATIONS.



PLATES WERE INCUBATED MICROAEROPHILICALLY AT 37°C FOR 72 HOURS.

FIG.10

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(iii) METHOD WITH THE VARIOUS CONCENTRATIONS + VARIOUS INCUBATION TIME.

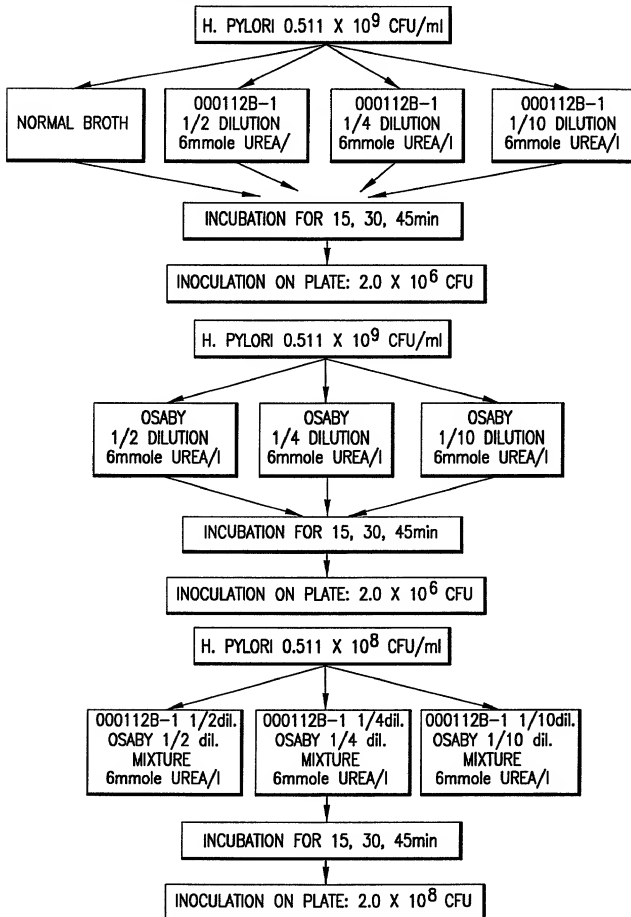


FIG.11 PLATES WERE INCUBATED MICROAEROPHILICALLY AT 37°C FOR 72 HOURS.

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